



**SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND**

**MEDIUM ICE LOADING AREAS**

**1.0" DIAMETER (0.7 #/FT.) FILLED FOAM-SKIN CABLE**

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	4	0	8	3664	1	1
200	3600	1	6	2	8	3709	2	7
300	3600	3	4	5	10	3777	4	8
400	3600	5	11	10	1	3861	7	4
500	3600	9	4	15	5	3957	10	9
600	3600	13	5	21	7	4058	14	11
700	3600	18	3	28	8	4161	19	10
800	3600	23	10	36	6	4264	25	6
895	3600	29	9	44	9	4360	31	6

**1.2" DIAMETER (0.9 #/FT.) FILLED FOAM-SKIN CABLE**

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	5	0	9	3668	1	2
200	3600	1	9	3	0	3722	2	9
300	3600	4	0	6	7	3804	5	1
400	3600	7	1	11	4	3902	8	3
500	3600	11	0	17	3	4010	12	4
600	3600	15	11	24	2	4122	17	3
700	3600	21	7	32	1	4234	23	0
780	3600	26	10	39	0	4321	28	3

**1.4" DIAMETER (1.4 #/FT.) FILLED FOAM-SKIN CABLE**

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	7	0	11	3675	1	3
200	3600	2	6	3	8	3746	3	3
300	3600	5	6	8	1	3847	6	5
400	3600	9	10	14	0	3963	10	9
500	3600	15	4	21	2	4083	16	4
600	3600	22	2	29	8	4201	23	2
605	3600	22	6	30	1	4207	23	6

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F. Stringing tensions are at 60° F.

**SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND**

**MEDIUM LOADING AREAS**

**1.6" DIAMETER (1.8 #/FT.) FILLED FOAM-SKIN CABLE**

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	3600	0	9	1	1	3681	1	4
200	3600	3	0	4	3	3767	3	8
300	3600	6	9	9	4	3884	7	6
400	3600	12	1	16	1	4012	12	10
500	3600	18	10	24	5	4138	19	8
515	3600	19	12	25	9	4156	20	10

**1.8" DIAMETER (2.4 #/FT.) FILLED FOAM-SKIN CABLE**

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	3600	0	12	1	4	3690	1	5
200	3600	3	10	5	1	3795	4	5
300	3600	8	8	11	2	3927	9	3
400	3600	15	5	19	2	4061	16	0
420	3600	17	0	20	11	4087	17	7

**2.0" DIAMETER (2.7 #/FT.) FILLED FOAM-SKIN CABLE**

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	3600	1	1	1	5	3696	1	6
200	3600	4	3	5	7	3814	4	9
300	3600	9	7	12	1	3956	10	2
380	3600	15	5	18	10	4069	16	0

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F. Stringing tensions are at 60° F.